PATENT COOPERATION TREATY

Translation

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 04-F-015PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No.	International filing date (day/month/year	r) Priority date (day/month/year)				
PCT/JP2004/004149	25.03.2004	22.08.2003				
International Patent Classification (IPC) or nation	onal classification and IPC					
C01B25/32, G01N30/48, 30/50						
Applicant NATIONAL INSTITUTE FOR MATERIALS SCIENCE						
	1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total of	4 sheets, ir	ncluding this cover sheet.				
3. This report is also accompanied by Al	NNEXES, comprising:					
a. (sent to the applicant and	to the International Bureau) a total of	5 sheets, as follows:				
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
	Rureau only) a total of (indicate type and	number of electronic carrier(s))				
, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relati	ng to the following items:					
Box No. I Basis of the	: report					
Box No. II Priority						
Box No. III Non-establi	shment of opinion with regard to novelty	, inventive step and industrial applicability				
Box No. IV Lack of uni	ty of invention					
	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain doc	ocuments cited					
Box No. VII Certain defe	defects in the international application					
Box No. VIII Certain obs	Box No. VIII Certain observations on the international application					
Date of submission of the demand	Date of completi	on of this report				
Name and mailing address of the IPEA/JP	Authorized office	Authorized officer				
Facsimile No.	Telephone No.	Telephone No.				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/004149

Box I	No. I	Basis of the report				
	 With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. 					
		report is based on translations from the original language is the language of a translation furnished for the purp international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4) international preliminary examination (Rule 55.2 and/	oses of:	· · · · · · · · · · · · · · · · · · ·		
2.	receiving C this report) the in	It to the elements of the international application, this office in response to an invitation under Article 14 are: ternational application as originally filed/furnished escription:	report is based on (<i>replacement s</i> e referred to in this report as "o	heets which have been furnished to the riginally filed" and are not annexed to		
	pages	1,4-8		as originally filed/furnished		
	pages	* _2,2/1,3	received by this Authority on	06.10.2004		
	page	*	received by this Authority on			
	the c	laims:				
1	nos.	4		as originally filed/furnished		
	nos.*		as amended (togethe	er with any statement) under Article 19		
	nos.*		received by this Authority on			
	nos.*					
	⊠ the d	rawings:				
	sheet			as originally filed/furnished		
	sheet					
	sheet					
		nuence listing and/or any related table(s) – see Supplem				
			icinal box relating to sequence i	Jistitig.		
3.	The .	amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, nos. 7,8				
	님	the drawings, sheets/figs				
	닐	the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
4.	This	report has been established as if (some of) the amen have been considered to go beyond the disclosure as f	dments annexed to this report an iled, as indicated in the Suppleme	d listed below had not been made, since mtal Box (Rule 70.2(c)).		
	닏	the description, pages		<u> </u>		
	닏	the claims, nos.				
	the drawings, sheets/figs					
	the sequence listing (specify):					
	any table(s) related to sequence listing (specify):					
*	If item 4 a	pplies, some or all of those sheets may be marked "suj	perseded."			

International application No.
PCT/JP2004/004149

Box	No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
1.	Statement	
	Novelty (N) Claims 1-6, 9-11	_ YES
	Claims	_ NO
	Inventive step (IS) Claims 1-6, 9-11	YES
	Claims	_ NO
	Industrial applicability (IA) Claims 1-6, 9-11	YES
	Claims	
2.	Citations and explanations (Rule 70.7)	
1	Document 1: JP 6-319500 A (Sekisui Plastics Co., Ltd.),	
	22 November 1994, claims; paragraphs [0016],	
	[0017] and [0029]; embodiments (Family:	
	none)	
	Document 2: JP 2000-043096 A (Sekisui Plastics Co.,	
	Ltd.), 15 February 2000, claims; paragraphs	
	[0006] and [0009]; embodiments (Family:	
	none)	
1	Document 3: JP 3-141956 A (Mitsubishi Mining & Cement	
	Co., Ltd.), 17 June 1991, claims; page 2,	
	upper right column, line 18 to page 2, lower	
	left column, line 7; embodiments (Family:	
	none)	
	Document 4: JP 2001-270709 A (Director General of	
	National Institute of Advanced Industrial	
	Science and Technology), 2 October 2001,	
1	claims; embodiments (Family: none)	
	Document 5: JP 4-317404 A (The Nippon Chemical Industrial	
	Co., Ltd.), 9 November 1992, claims;	
	embodiments (Family: none)	
	The inventions set forth in claims 1 to 6 and 9 to	
	11 are not disclosed in any of the documents cited in the	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/004149

Box No. V
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

international search report, and would not be obvious to

international search report, and would not be obvious to a person skilled in the art. In particular, a calcium porous phosphate multilayered particle obtained by applying an inorganic porous coating to a porous spherical calcium phosphate particle which has a particle diameter falling within the range of 0.1 to $100\mu m$, and which has a metal ion substituted in calcium phosphate within the range of 0.0001 to 10wt% or has a metal ion supported on the surface thereof, is not disclosed in any of the documents cited in the international search report.